

Digital Academics

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Abstract- ERP systems are now becoming highly integrated, web-enabled, and intelligent. A College ERP system has all the information about the students, teachers, events, library, departments, and other respected information. It provides a very modest interface for the maintenance of different students, departments, faculties, library, and other information. Using an ERP system saves a lot of time for staff members who have to do all the work manually such as filling in information about students, events, and other records. Searching any old records is very difficult it consumes too much time. So here, we are proposing an ERP system for colleges titled "Digital Academics". This ERP system allows the admin to add students, faculties, and any other events. Our system allows faculty to enter student's attendance into the database. Students and Faculties can also view the attendance afterward. Faculties can also send Assignment remainder to students whenever they have to. Admin and Faculties can upload timetables of different departments and Examinations. It would be visible to students and faculties of that particular department.

Keywords- ERP, Admin, College, Faculty, Student, Web-Enabled

I. INTRODUCTION

Enterprise resource planning i.e. ERP refers to a kind of software that organizations use to deal with daily business activities such as accounting, procurement, project management, risk management, and compliance, and supply chain operations. A complete ERP suite also includes venture performance management, software that helps the user to plan, budget, predict, and report on an organization's financial results. An ERP system binds together a multitude of business processes and enables the flow of data between them. By collecting an organization's shared transactional data from numerous sources, ERP systems eliminate data duplication and provide data integrity with a single source of truth. Today, E.R.P. systems are vital for managing thousands of businesses of all sizes and in all industries. To these organizations, ERP is as essential as the electricity that keeps the lights on.

II. PURPOSE

Enterprise resource planning i.e. ERP refers to a kind of software that organizations use to deal with daily business activities such as accounting, procurement, project management, risk management, and compliance, and supply chain operations. A complete ERP suite also includes venture performance management, software that helps the user to plan, budget, predict, and report on an organization's financial results.

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III. SCOPE FOR DEVELOPMENT OF THIS PROJECT

A. The different module of Digital Academics:

- Admin Registration
- Faculty Registration/login
- Student Registration/login
- Timetable Management
- Attendance Management
- Library Management
- Fees Management
- Academic Activities Management
- Student Results

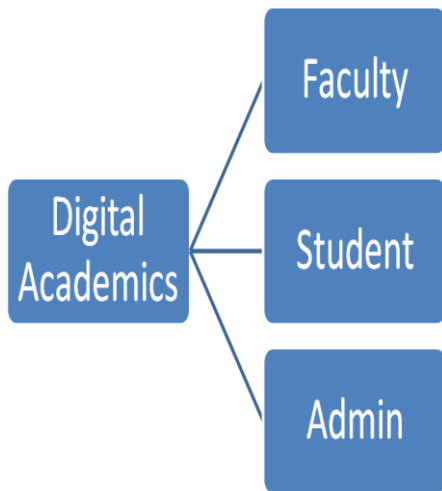


Figure 1: Digital Academics System

B. Admin Module:

Admin has all the access privileges to the system. Admin can deal with the student Admission, Staff Registration, Academics, SMS gateway, Class Routines. First, he adds all the respective HOD and Faculty members of a particular Department. After adding up classes and subjects, the student admission process starts. All tasks are regulated by admin only. This access is not available for the users of other profiles. Admin can deal with the accounts of all the students and staff. He is responsible to create and send student reports to their respective Mentor. All the details of students and faculty can be view and manage by Admin itself.

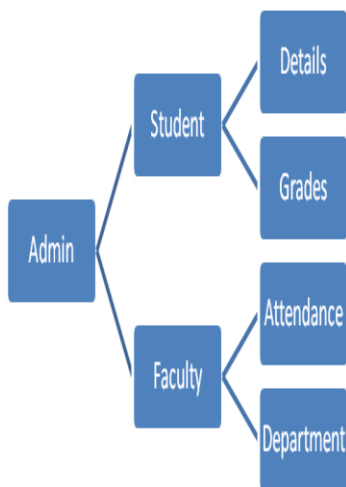


Figure 2: Admin Module

C. Faculty Module:

Initially, the Admin allocates HOD and Faculty for a particular Department. The HOD then Divides Faculties as per their roles i.e. Teaching, Sports, Assistant. The Faculty members can upload new assignments, check student progress,

and send reminders regarding assignments and events. Also, faculties can update timetables, record student attendance, and carry out online tests. Faculty can generate the daily, monthly, or yearly reports of individual students as well as class.

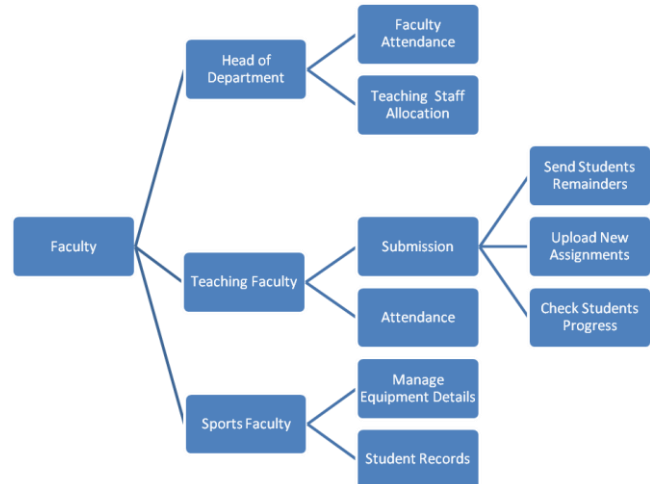


Figure 3: Faculty Module

D. Student Module:

Students get their login credentials once the admin approves. Afterward, students can update their Mobile no. and email ids. A student has access to a personal profile, current attendance record, Class test records, all the notifications, and upcoming procedures that are handled by the admin.

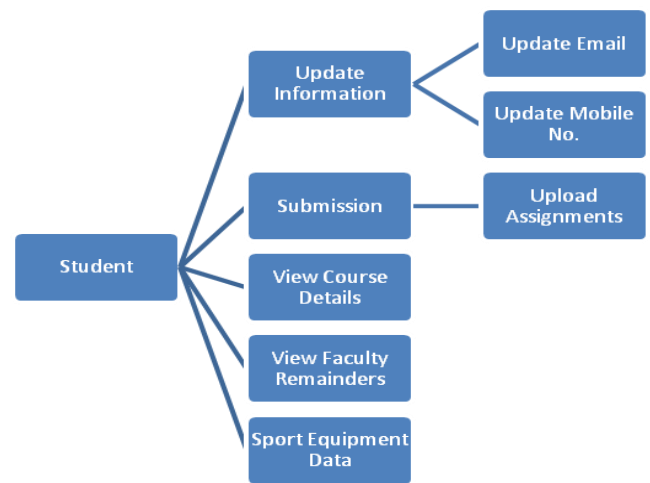


Figure 4: Student Module

IV. CONCLUSION

Having a properly selected and implemented ERP system can create a great impact. This project Titled “Digital Academics” can deal with the issues related to a particular college. It will help faculties and students to communicate about assignments, attendance, events, and other activities. This system provides a majority of features that can help

Admin, Faculties, and Students. The system provides appropriate information to users based on their profiles in the system.

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